

Fig. 1

006T50" 5564260

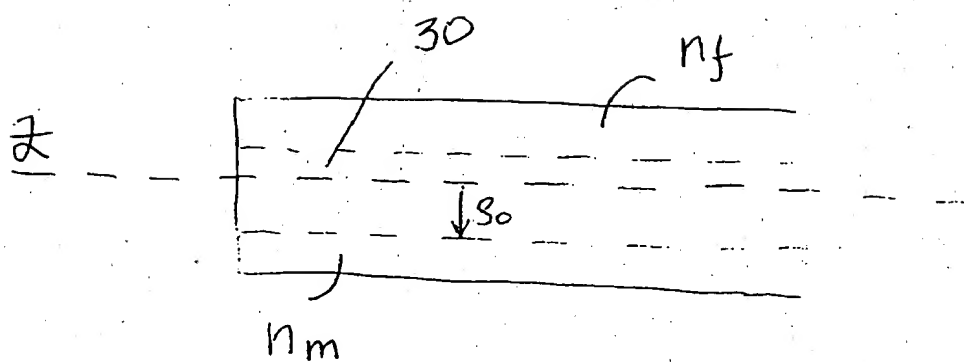


Fig. 2

006750" 55642560

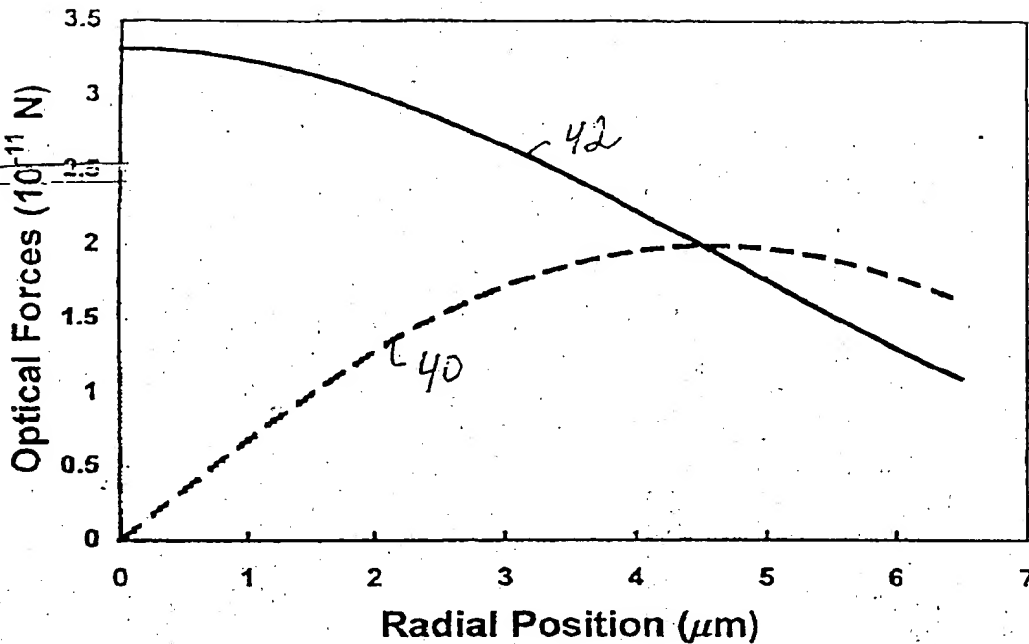
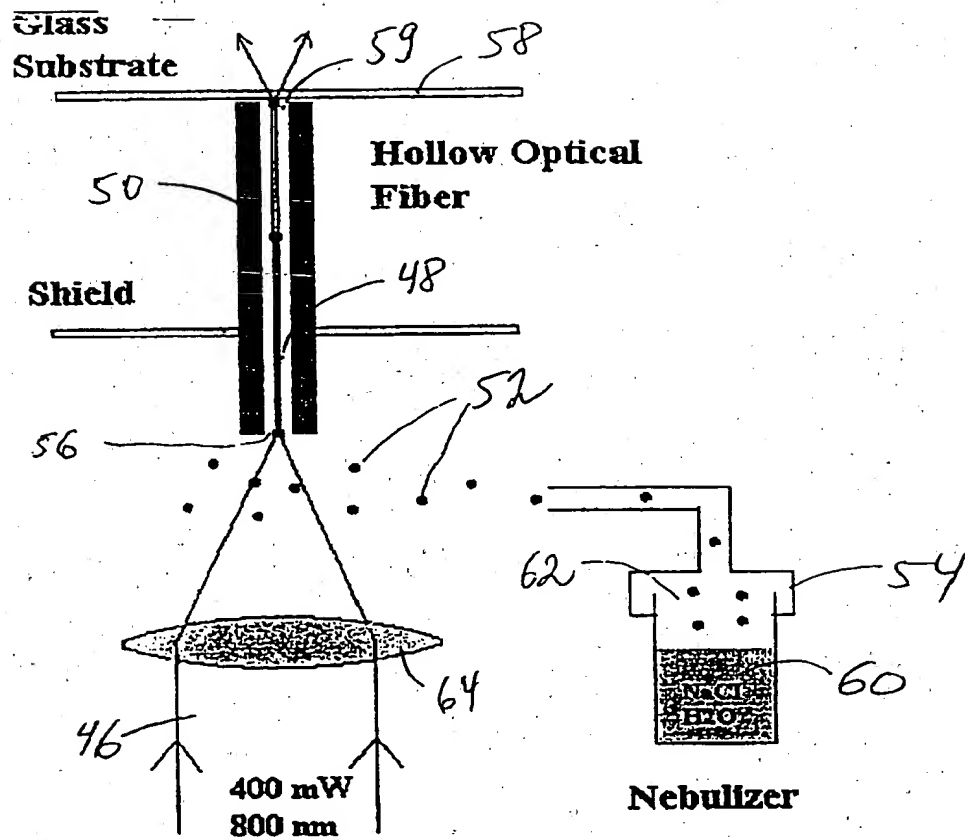


Fig. 3

44.



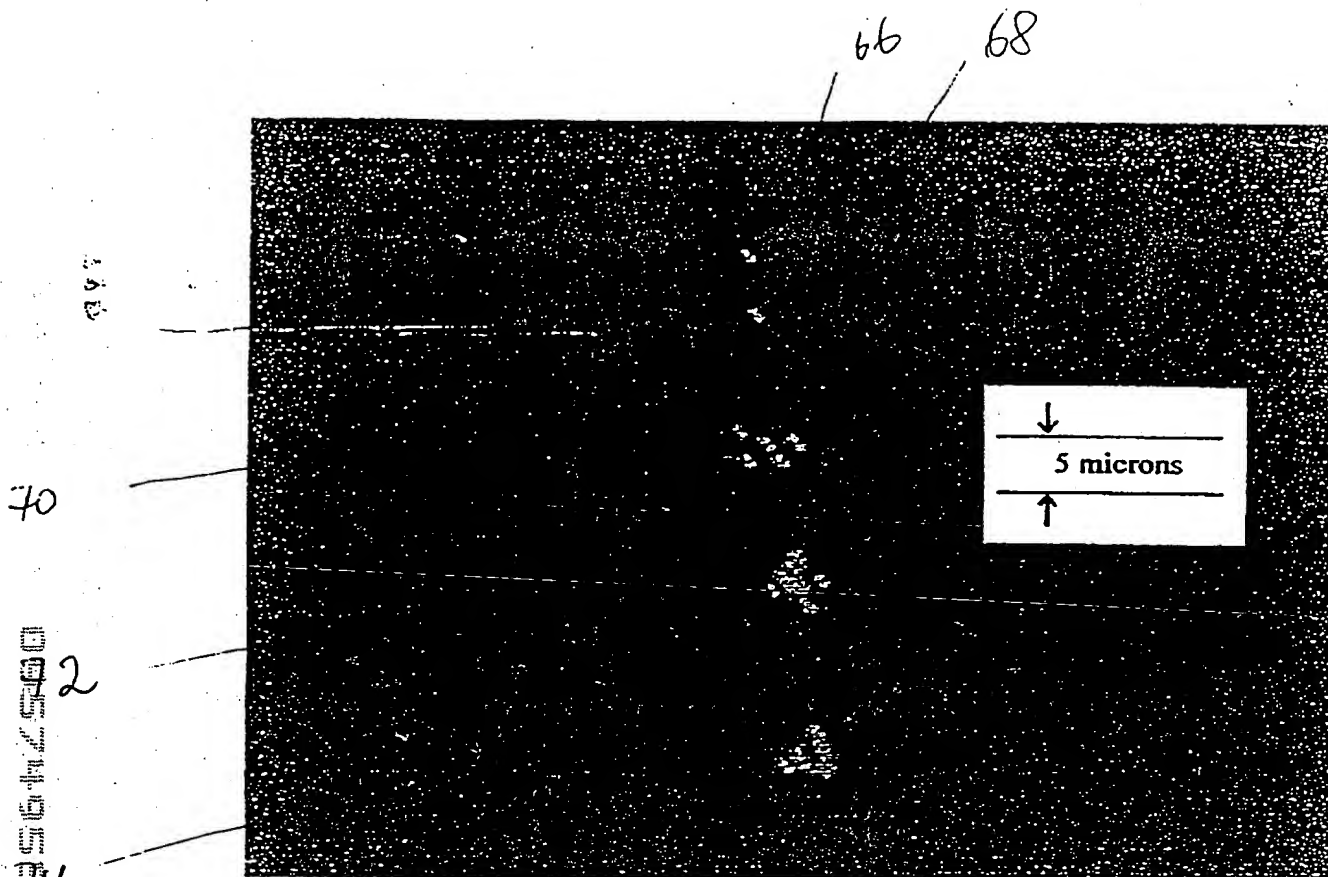


Fig. 5

0057495674 051900

006T50" S516H256D

## Barium Titanate Deposits

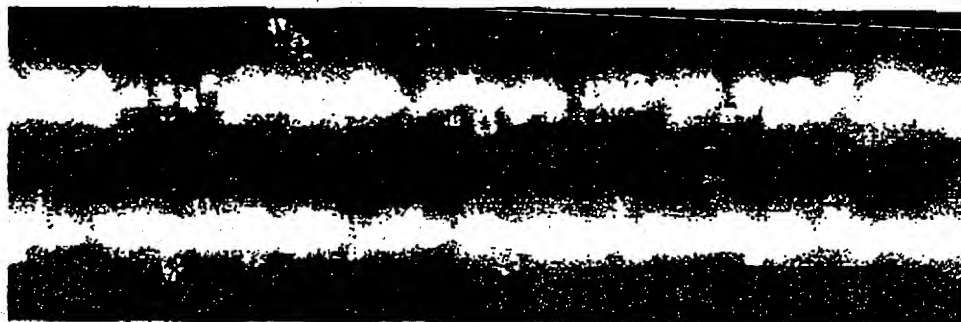


Fig 6 (a)

# Indium Oxide (a) and Silver (b)

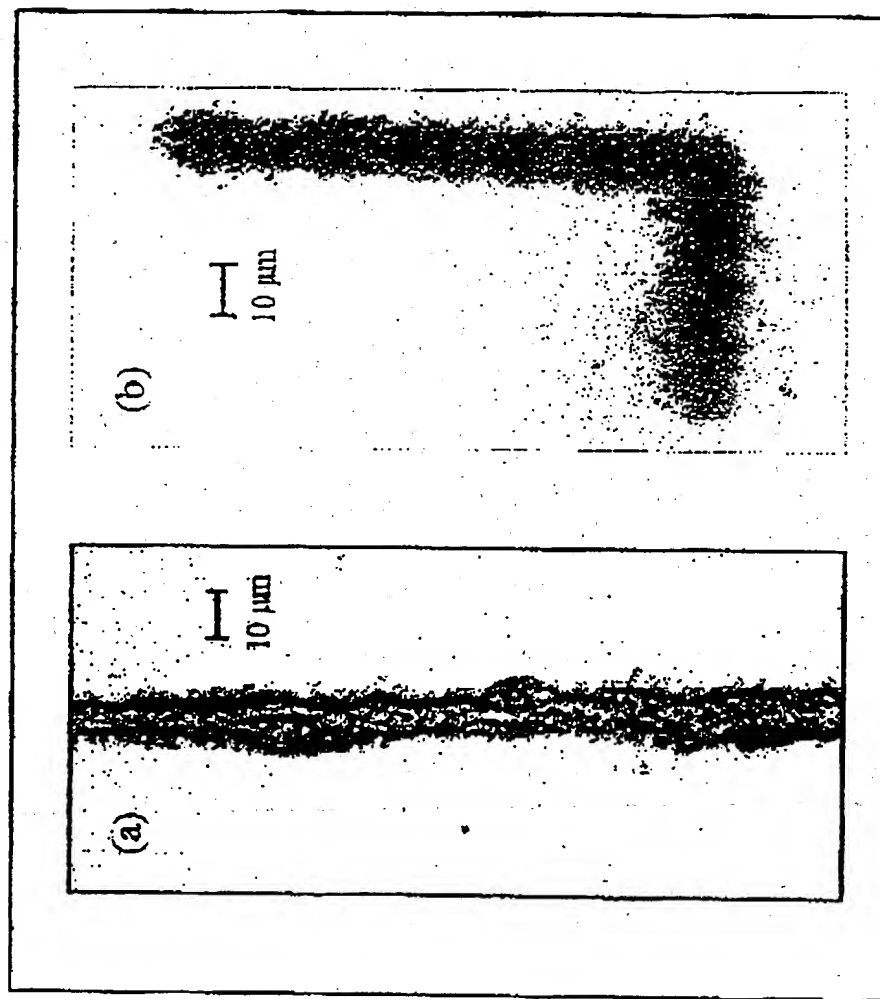


Fig. 6(b)

Fig. 6(c)

# Aluminum Nitrate/Aluminum Oxide Deposits

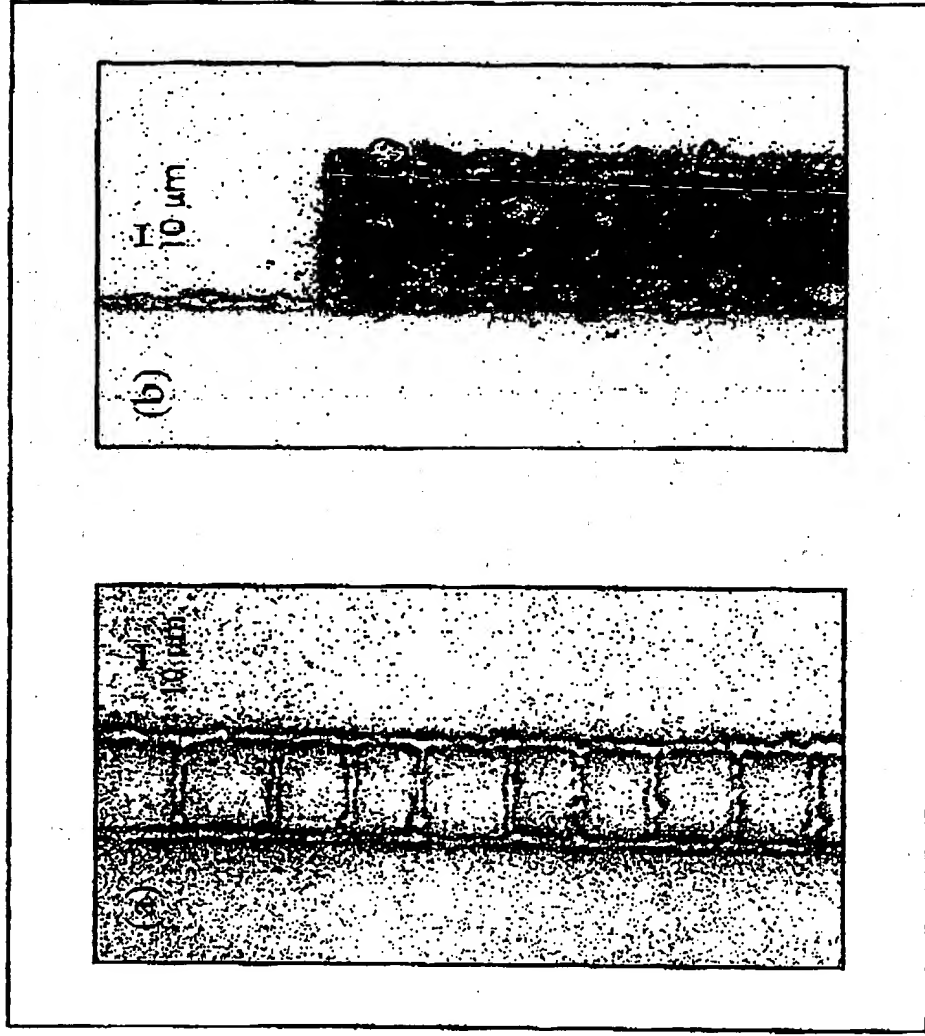


Fig. 6(d)

Fig. 6(e)

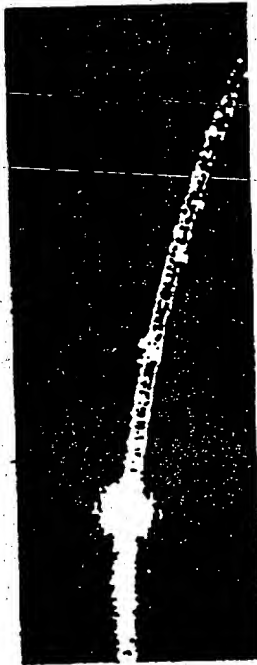


09574955.051900

a)



b)



c)



d)



Fig. 7

006750" 53642560

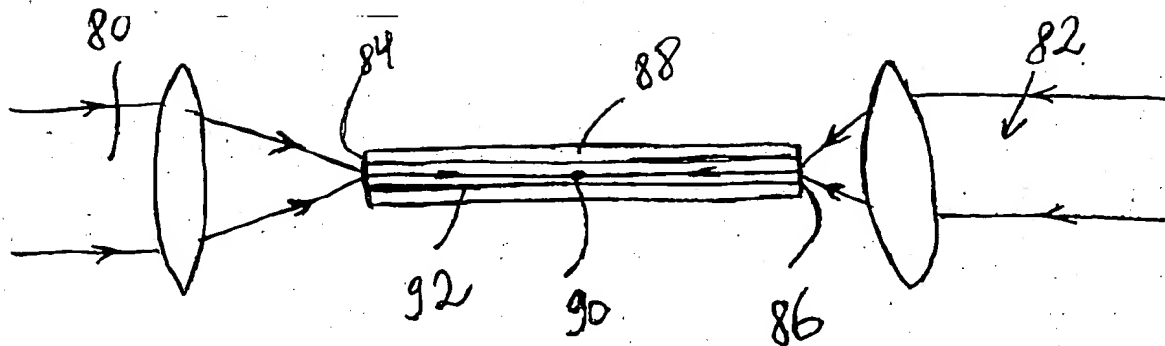


Fig. 8

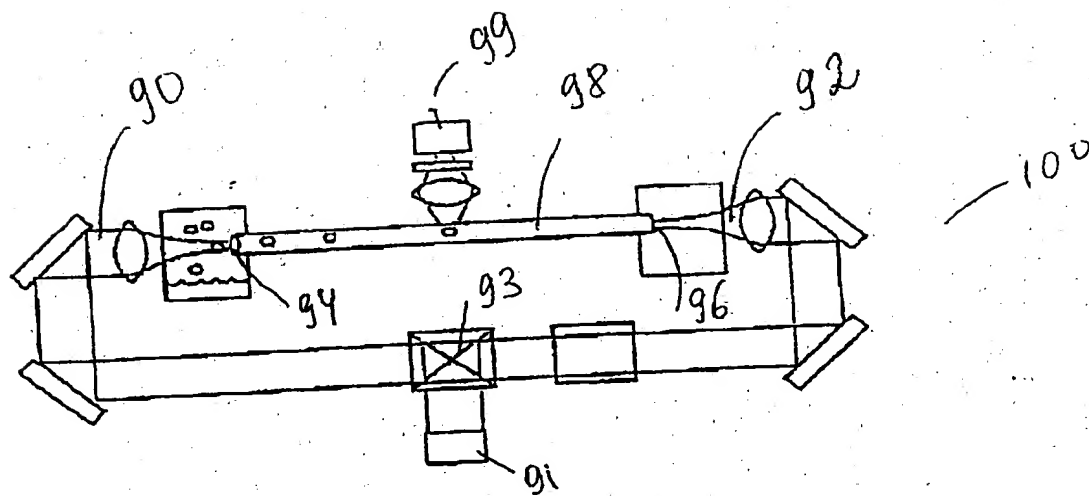


Fig. 9

Table 1.

Materials Manipulated	
Metals	Au, Ag, Pd, Rh, Pt
Dielectrics	Glass, BaTiO <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub>
Semiconductors	Si, Ge, CdS, InO
Liquids	H <sub>2</sub> O, acids, bases, solvents, salt solutions
Plastics	Polystyrene
Biological	Embryonic nerve and glial cells, bacteria, microtubules
Substrates used	
Glass, Ceramic, Plastic, Paper, Si, Kapton	
Line Dimensions - $3\mu\text{m} \pm 0.5\mu\text{m}$	

Fig. 10